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(71) Applicant (for all designated States except US): GE OS-
MONICS, INC. [US/US]; 5951 Clearwater Drive, Min-
netonka, MN 55343-8995 (US).

(71) Applicants and

(72) Inventors: KLOOS, Steven, D. [US/US]; 8258 Stone
Creek Drive, Chanhassen, MN 55317 (US). ROLCHIGO,
Phillip, M. [US/US]; 5951 Clearwater Drive, Min-
netonka, MN 55343-8995 (US). KURTH, Christopher,
J. [US/US]; 8744 Minnetonka Boulevard, St. Louis
Park, MN 55426 (US). KUNG, Chia, H. [US/US]; 5951
Clearwater Drive, Minnetonka, MN 55343-8995 (US).

(74) Agent: WINTER, Catherine, J.; General Electric Com-
pany, International Patent Operation, 3135 Easton Turnpike
(W3C), Fairfield, CT 06828 (US).

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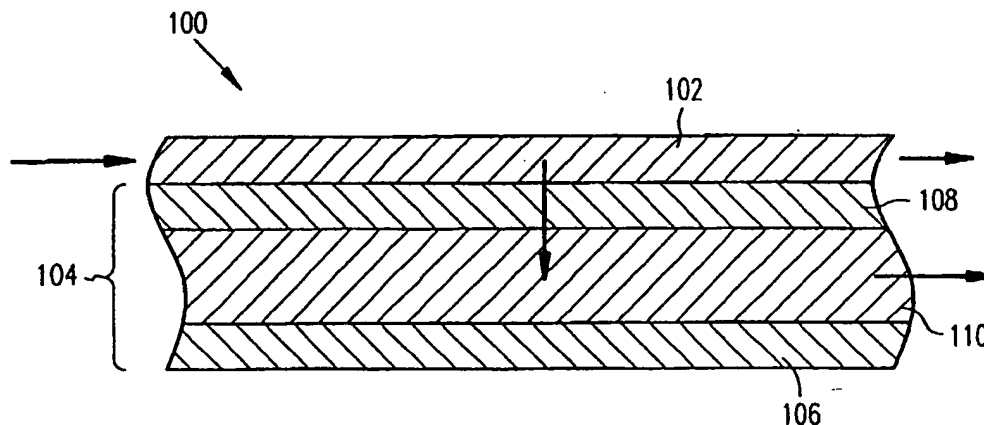
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(54) Title: MEMBRANE DEVICES AND DEVICE COMPONENTS



(57) Abstract: A membrane device including a first membrane sheet and a second membrane sheet comprised of either two separate sheets or one sheet folded upon itself separated by a permeate carrier. The membrane device utilizes permeate carrier materials that have a lower resistance to flow and therefore provide improved flux and reduced salt passage.